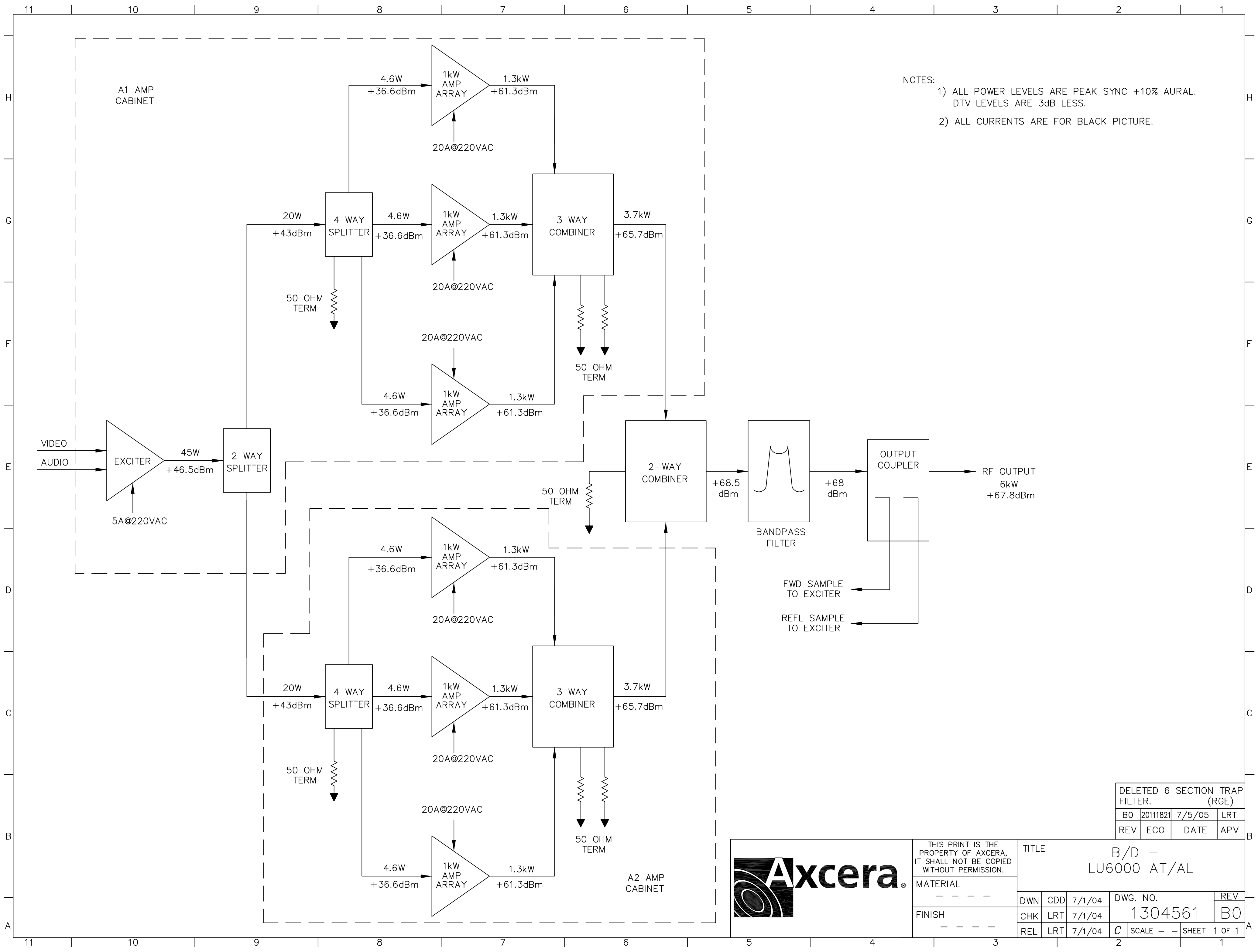
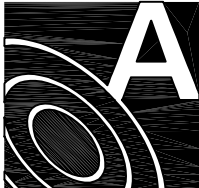
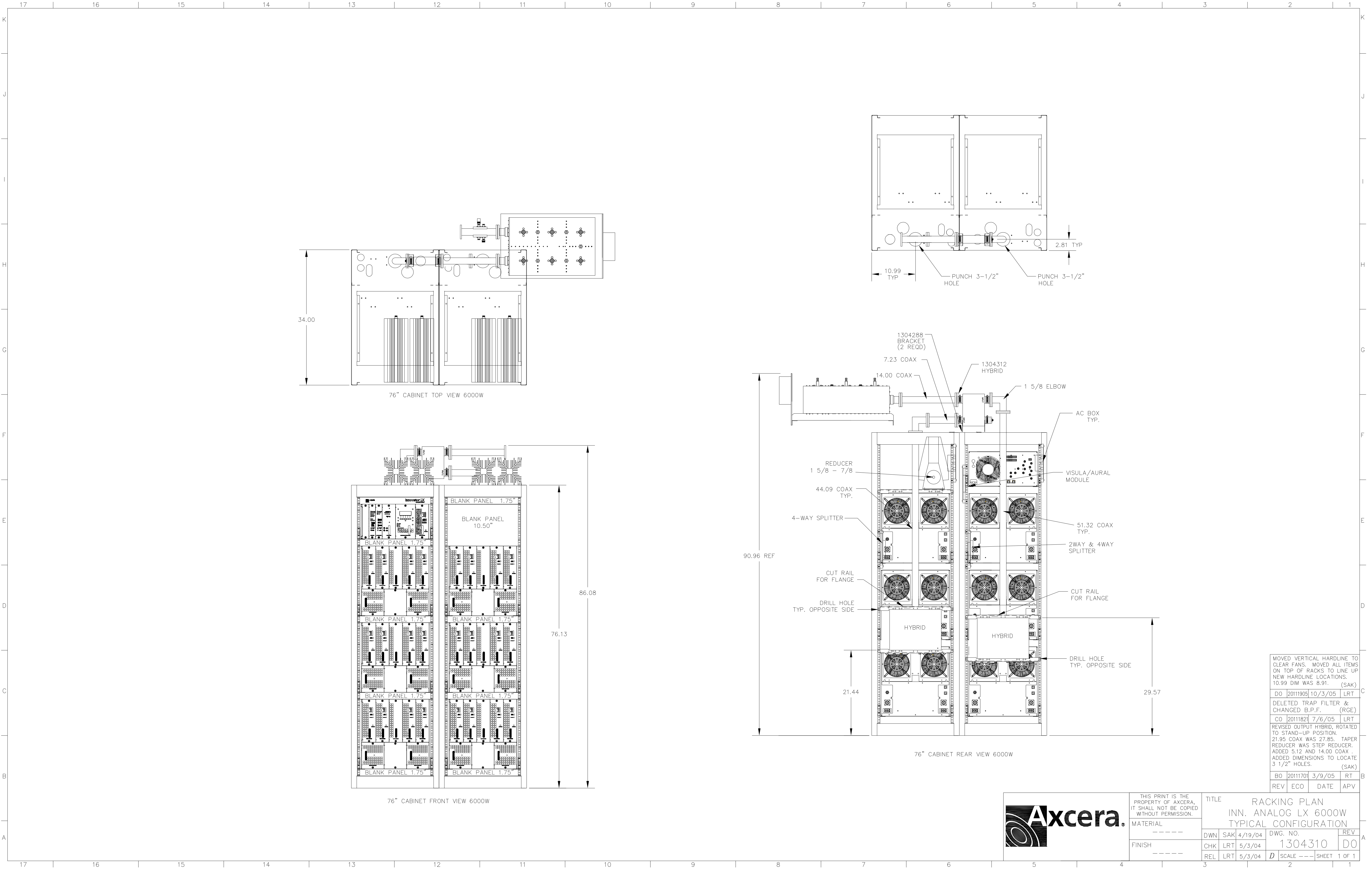




NOTES:
1) ALL POWER LEVELS ARE PEAK SYNC +10% AURAL.
DTV LEVELS ARE 3dB LESS.
2) ALL CURRENTS ARE FOR BLACK PICTURE.

DELETED 6 SECTION TRAP FILTER. (RGE)			
B0	20111821	7/5/05	LRT
REV	ECO	DATE	APV

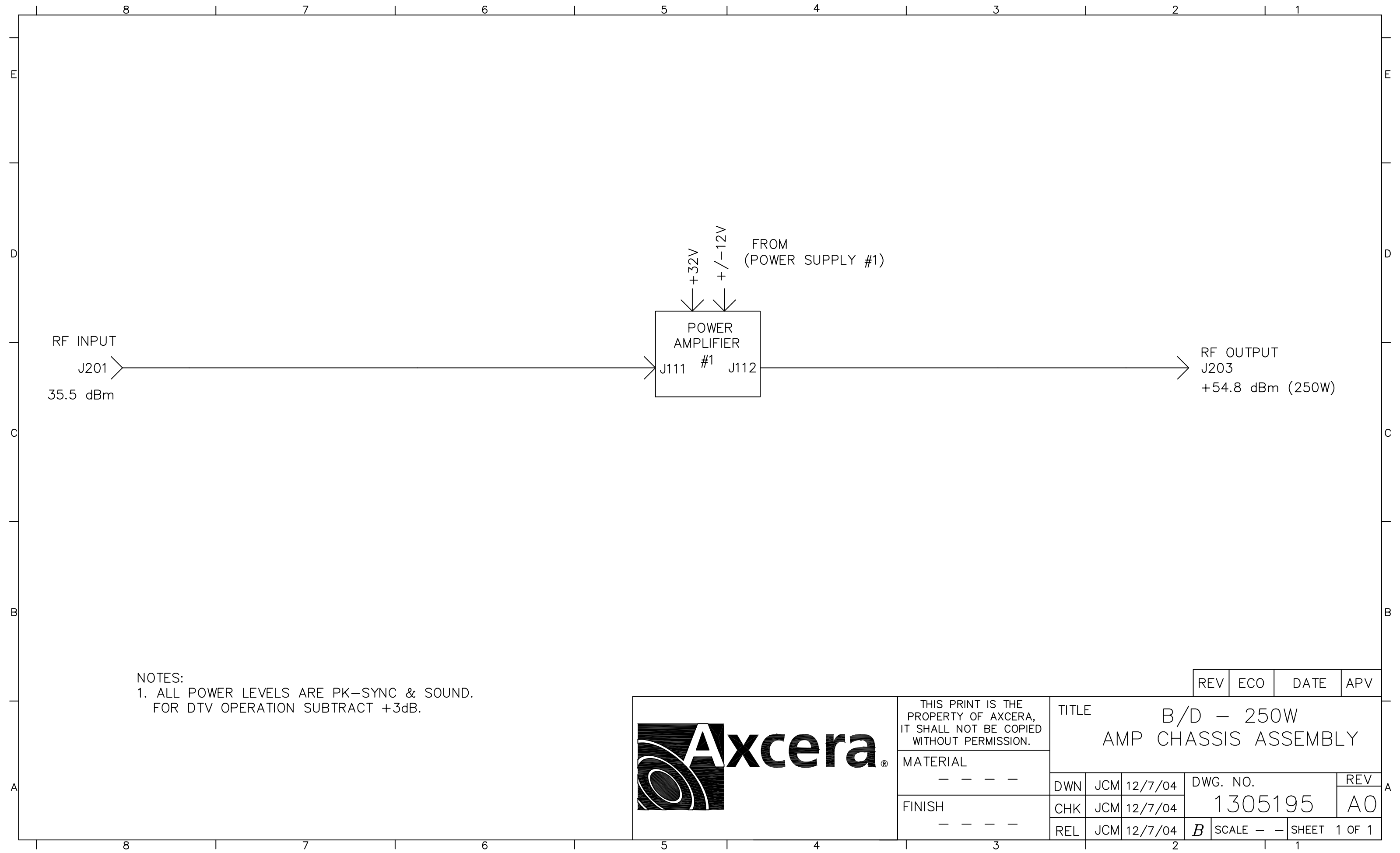
 Axcera®	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.	TITLE								B/D – LU6000 AT/AL			
		MATERIAL											
		– – – –				DWN	CDD	7/1/04	DWG. NO.			REV	
		FINISH				CHK	LRT	7/1/04	1304561			B0	
		– – – –				REL	LRT	7/1/04	C	SCALE – –		SHEET 1 OF 1	

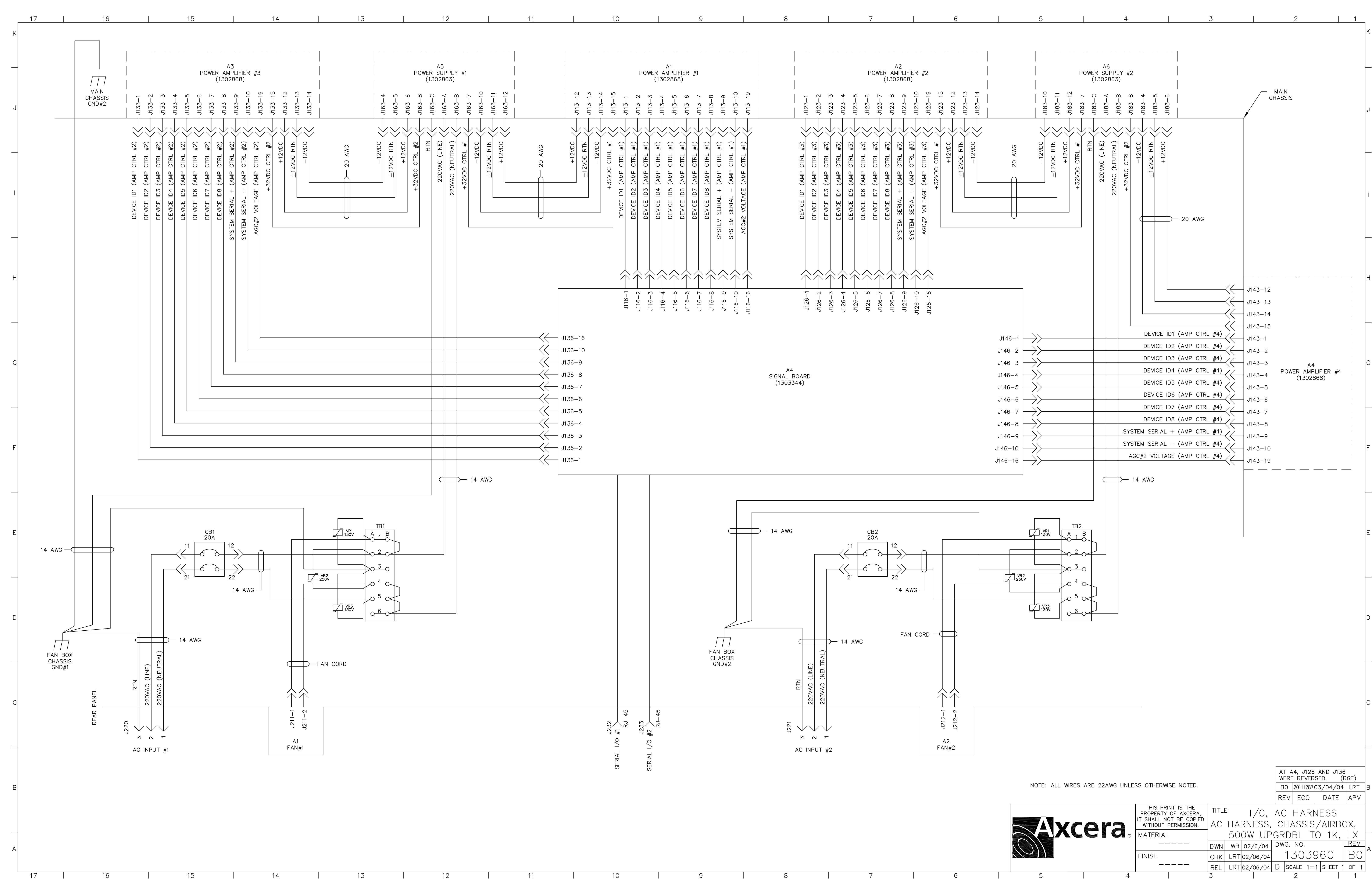


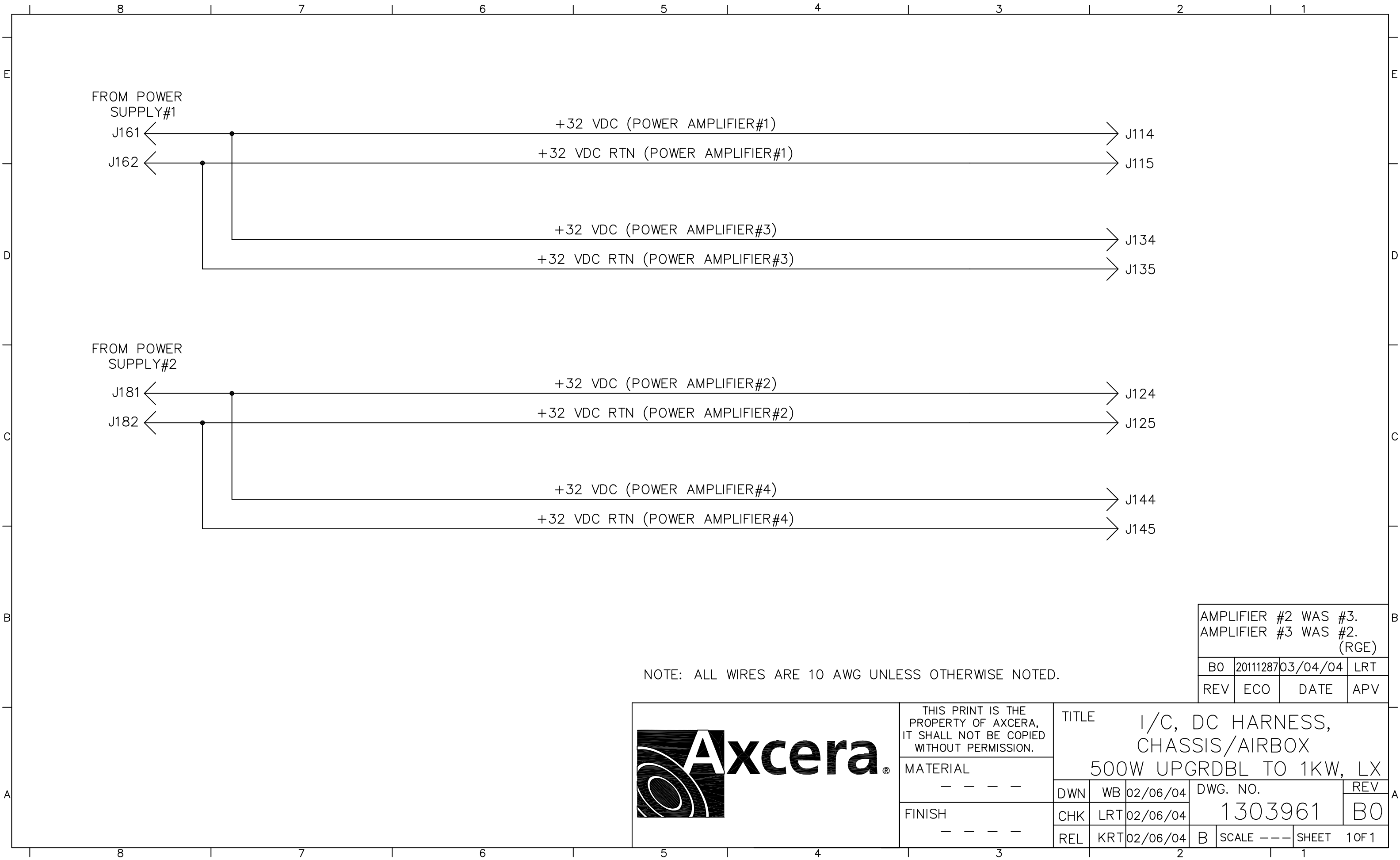
MOVED VERTICAL HARDLINE TO CLEAR FANS. MOVED ALL ITEMS ON TOP OF RACKS TO LINE UP NEW HARDLINE LOCATIONS. 10.99 DIM WAS 8.91. (SAK)			
DO	[20111905]	10/3/05	LRT
DELETED TRAP FILTER & CHANGED B.P.F. (RGE)			
CO	[2011182]	7/6/05	LRT
REVISED OUTPUT HYBRID, ROTATED TO STAND-UP POSITION. 21.95 COAX WAS 27.85. TAPER REDUCER WAS STEP REDUCER. ADDED 5.12 AND 14.00 COAX. ADDED DIMENSIONS TO LOCATE 3 1/2" HOLES. (SAK)			
BO	[2011170]	3/9/05	RT
REV	ECO	DATE	APV



THIS PRINT IS THE PROPERTY OF AXCERA. IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE RACKING PLAN INN. ANALOG LX 6000W TYPICAL CONFIGURATION			
		MATERIAL -----	DWN	SAK	4/19/04
FINISH -----		CHK	LRT	5/3/04	DWG. NO. 1304310
		REL	LRT	5/3/04	REV DO
		SCALE	---	SHEET	1 OF 1



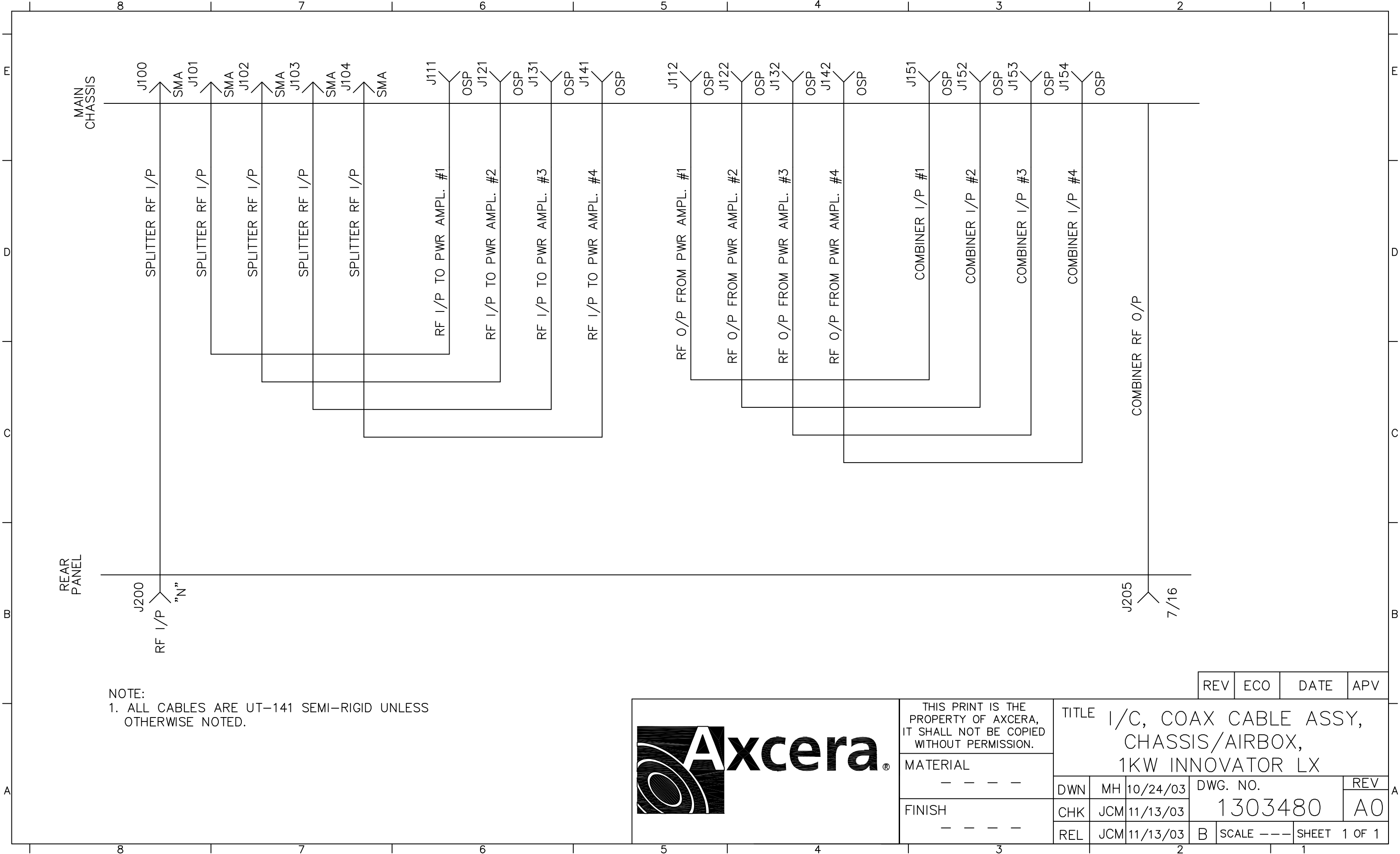




NOTE: ALL WIRES ARE 10 AWG UNLESS OTHERWISE NOTED.

AMPLIFIER #2 WAS #3. AMPLIFIER #3 WAS #2. (RGE)			
B0	20111287	03/04/04	LRT
REV	ECO	DATE	APV

	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE I/C, DC HARNESS, CHASSIS/AIRBOX 500W UPGRDBL TO 1KW, LX					
	MATERIAL — — — —		DWN	WB	02/06/04	DWG. NO. 1303961		REV
	FINISH — — — —		CHK	LRT	02/06/04			B0
			REL	KRT	02/06/04	B	SCALE — — —	SHEET 1 OF 1



NOTE:
1. ALL CABLES ARE UT-141 SEMI-RIGID UNLESS OTHERWISE NOTED.



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MATERIAL

- - - -

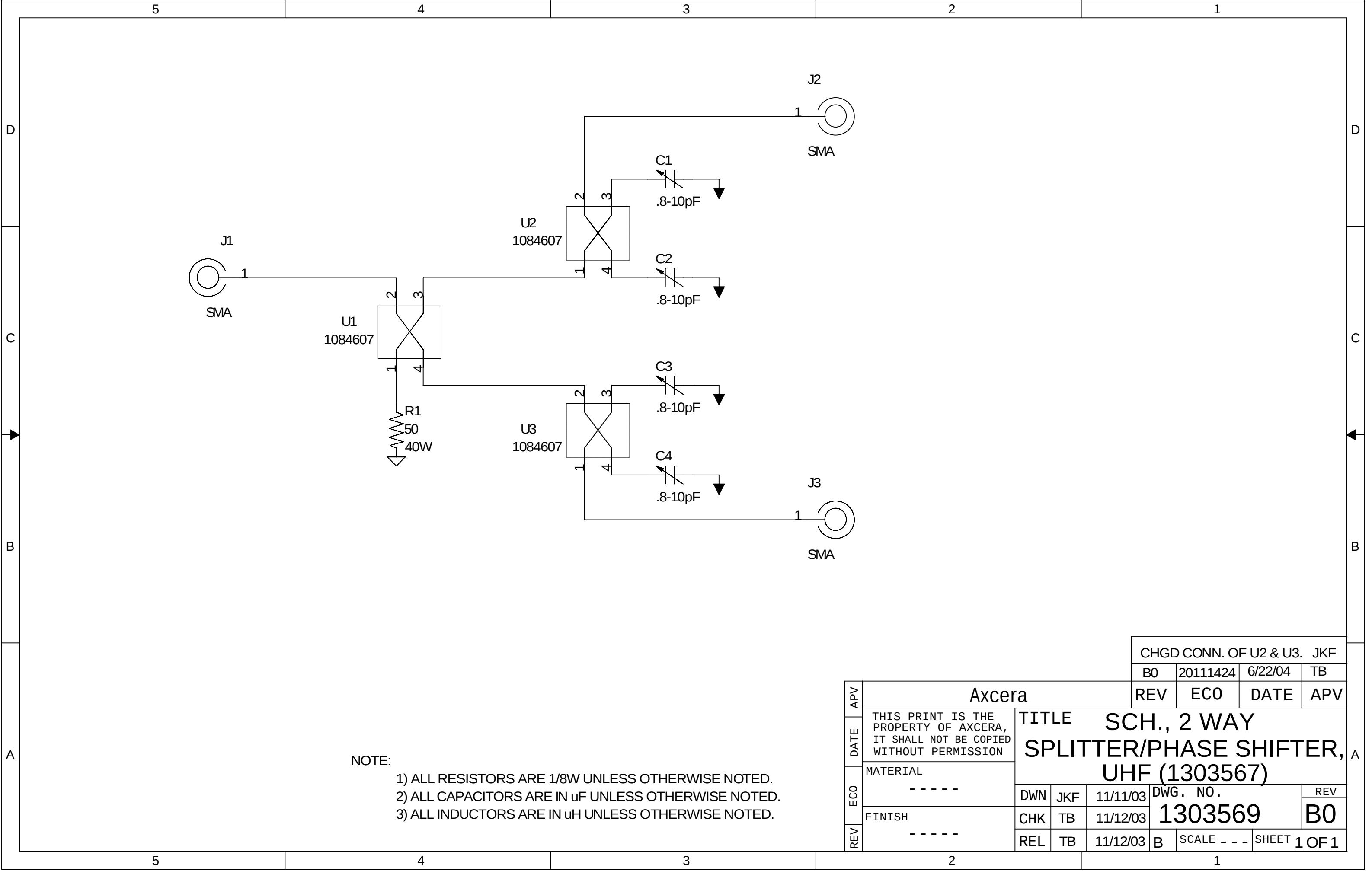
FINISH

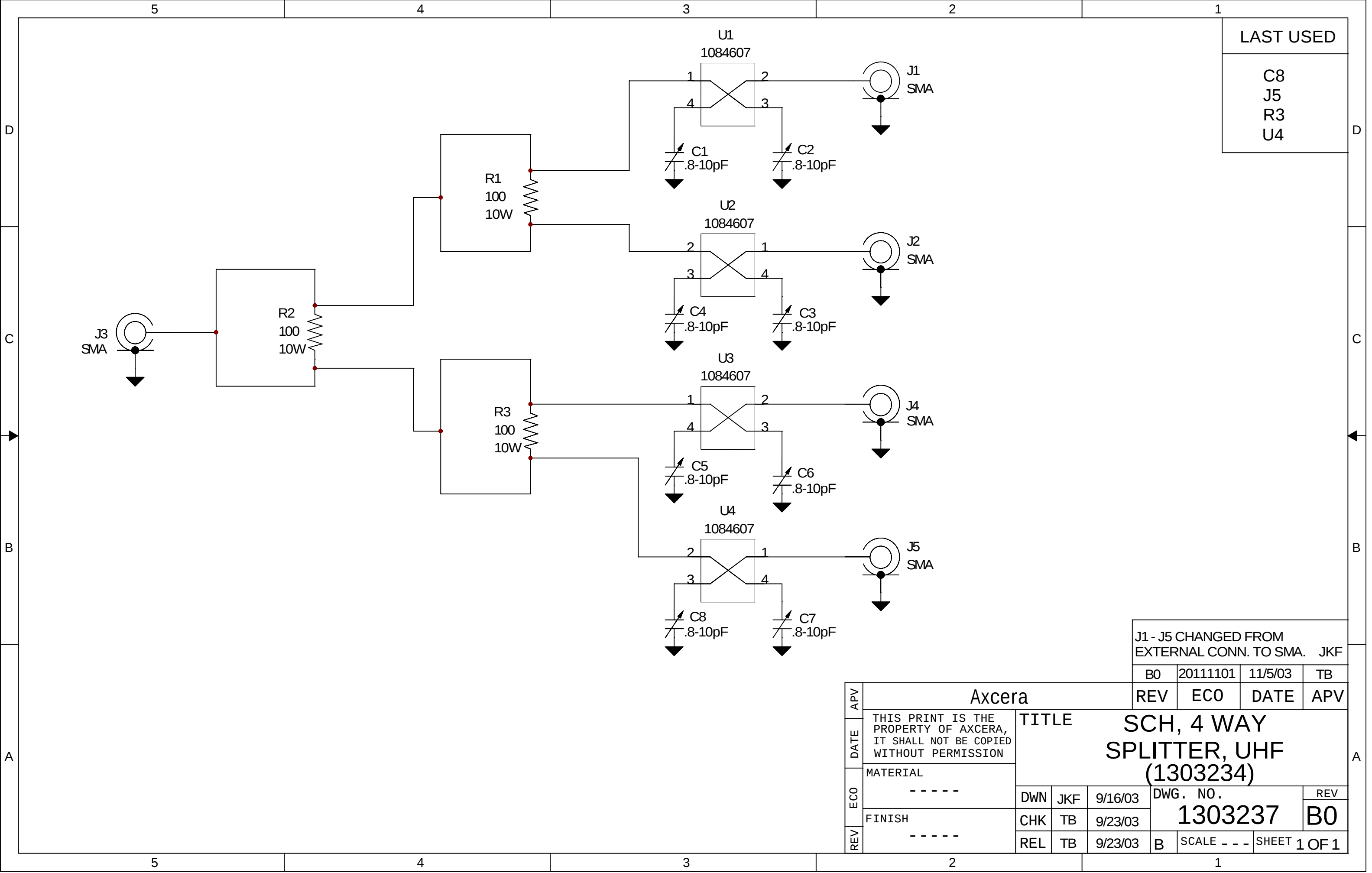
- - - -

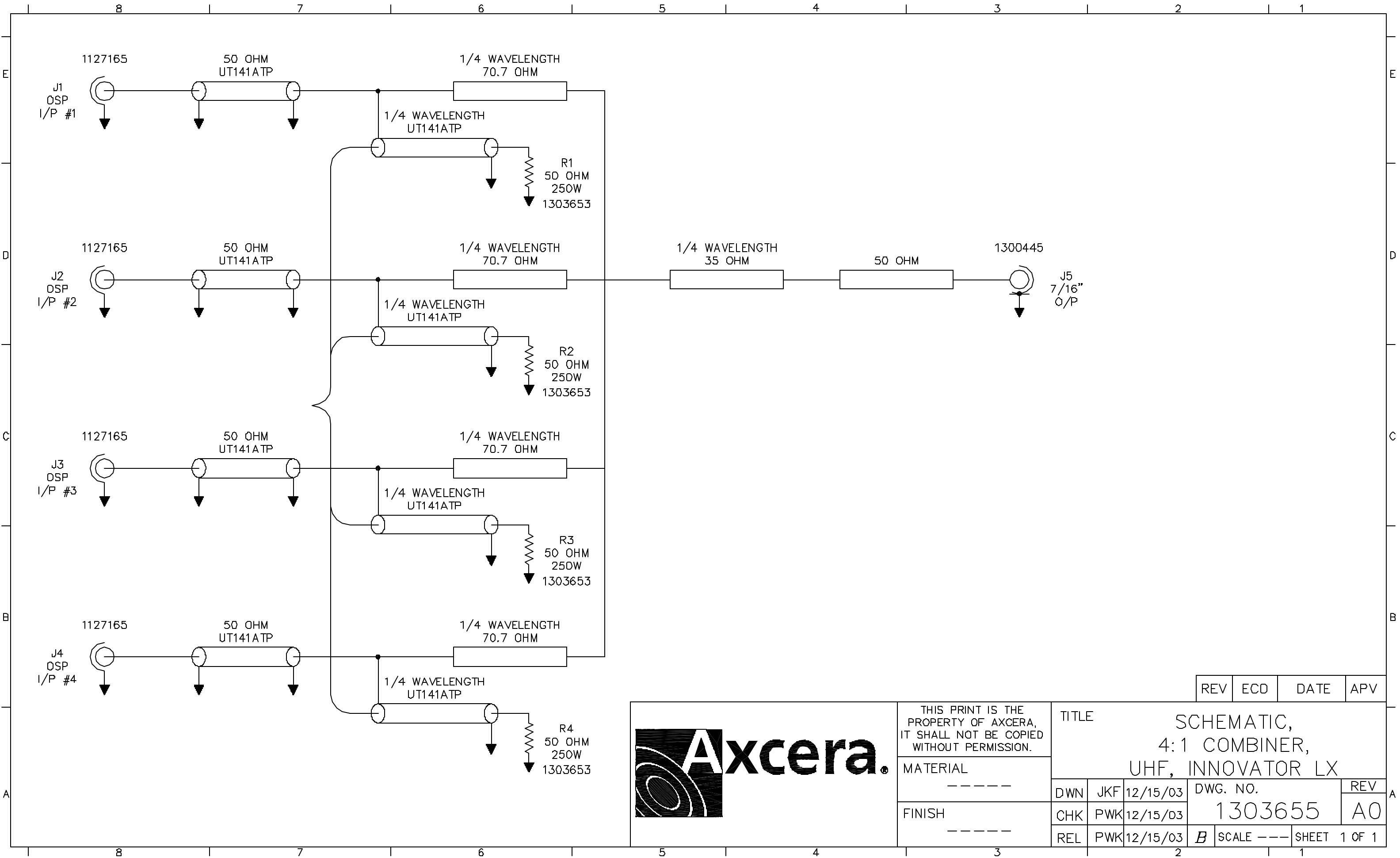
TITLE I/C, COAX CABLE ASSY,
CHASSIS/AIRBOX,
1KW INNOVATOR LX

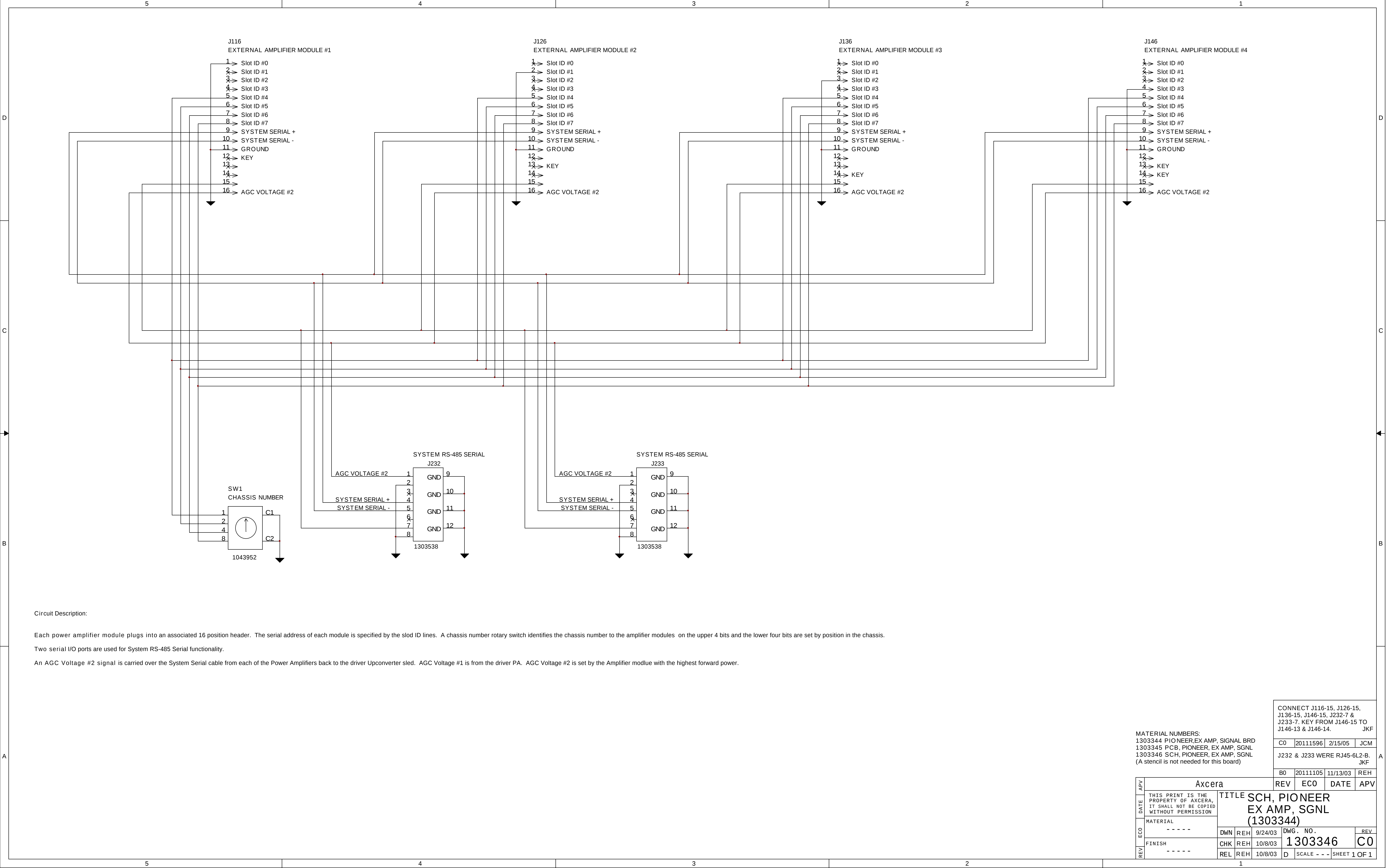
DWN	MH	10/24/03	DWG. NO.		REV
CHK	JCM	11/13/03	1303480		A0
REL	JCM	11/13/03	B	SCALE ---	SHEET 1 OF 1

REV	ECO	DATE	APV
-----	-----	------	-----

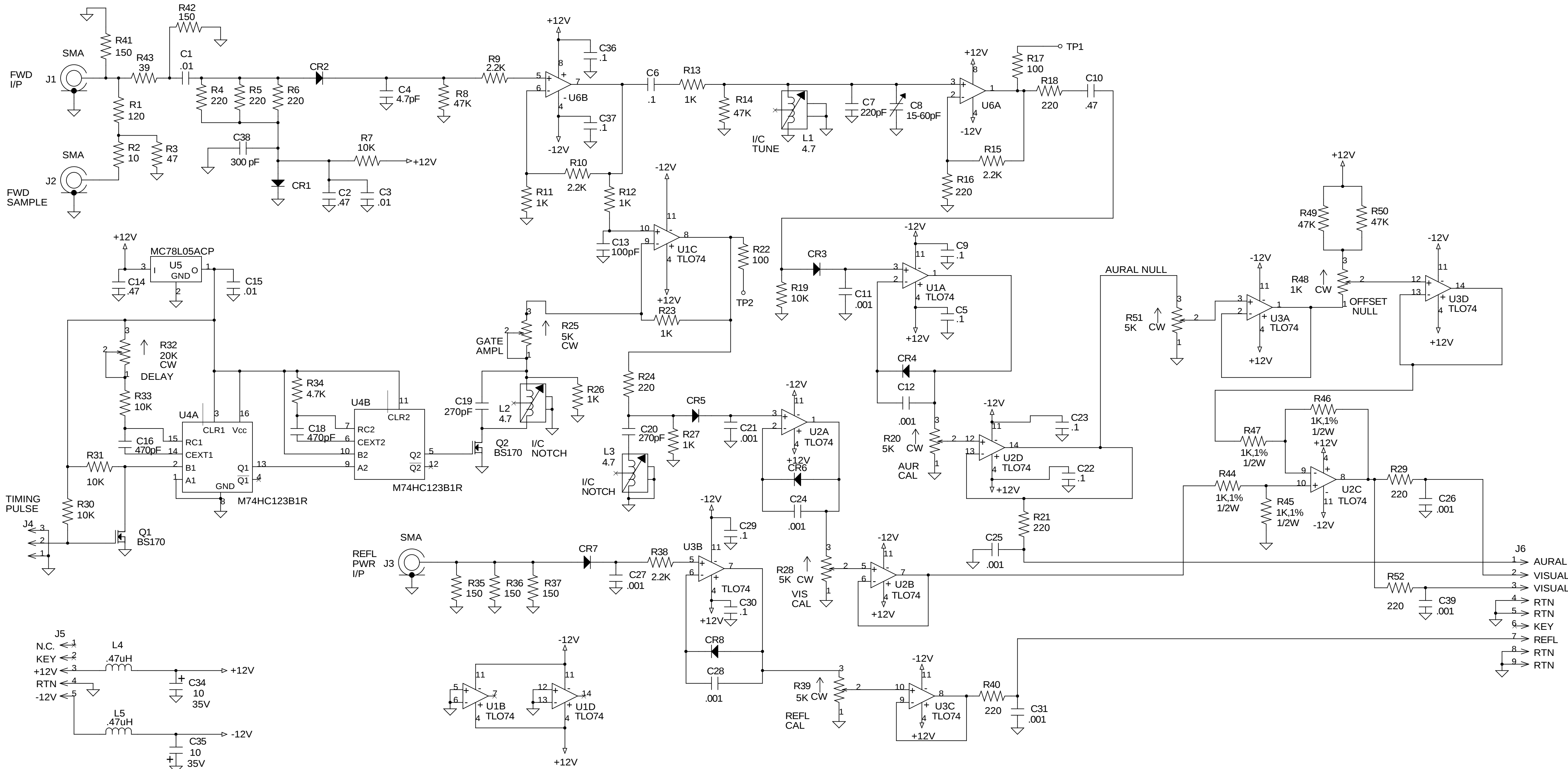








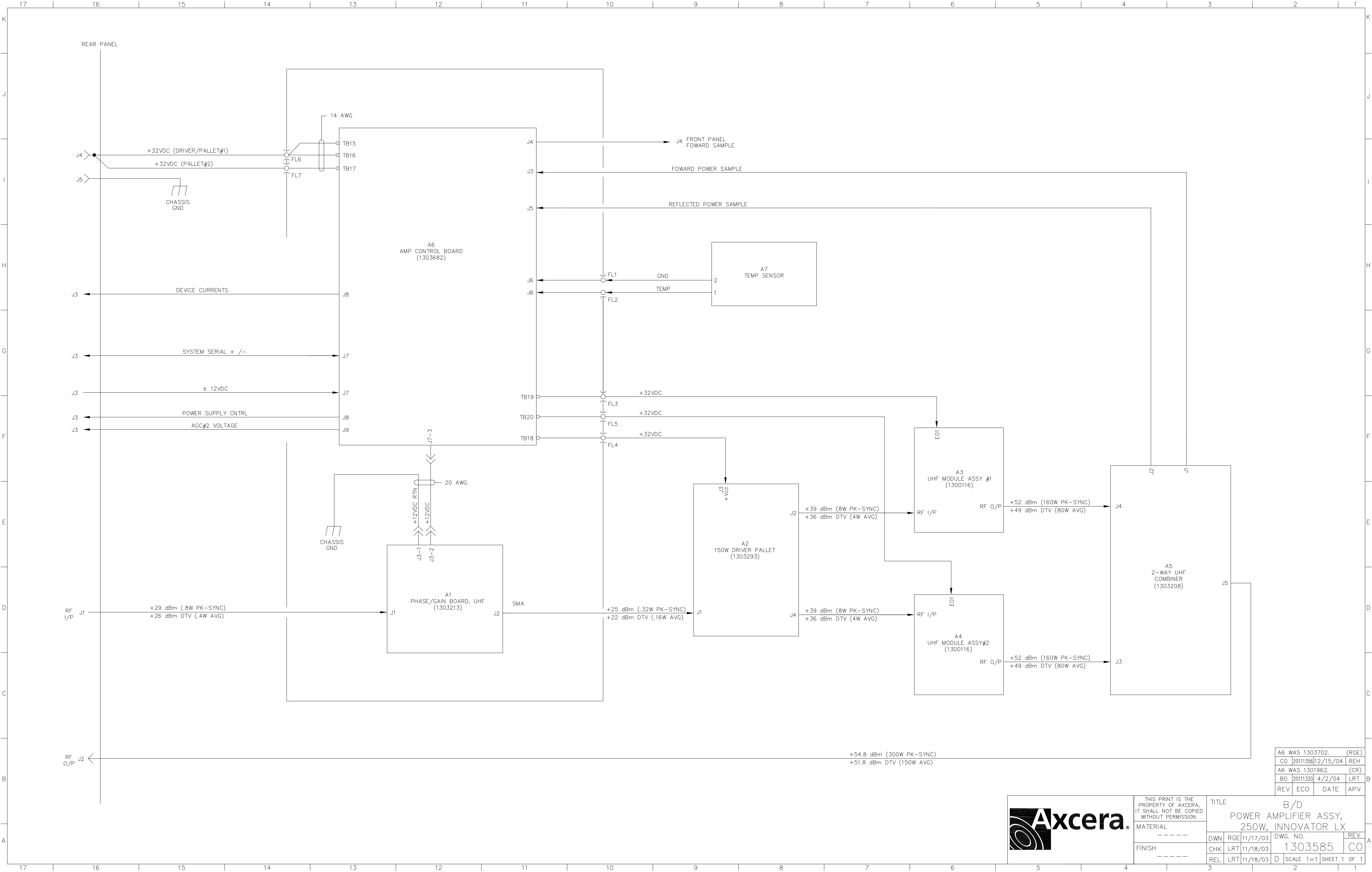
MATERIAL NUMBERS: 1303344 PIONEER,EX AMP, SIGNAL BRD 1303345 PCB, PIONEER, EX AMP, SGNL 1303346 SCH, PIONEER, EX AMP, SGNL (A stencil is not needed for this board)					J146-15 & J146-14. JKF						
					C0	20111596	2/15/05	JCM			
					J232 & J233 WERE RJ45-6L2-B- JKF						
					B0	20111105	11/13/03	REH			
Axcera					REV	ECO	DATE	APV			
DATE	APV	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION			TITLE SCH, PIONEER EX AMP, SGNL (1303344)						
ECO	MATERIAL				DWN	REH	9/24/03	DWG. NO.	REV		
FINISH	-----				CHK	REH	10/8/03	1303346	C0		
REV	-----				REL	REH	10/8/03	D	SCALE - - -	SHEET 1 OF 1	



NOTES:
1) ALL RESISTORS ARE 1/8 WATT UNLESS NOTED OTHERWISE.
2) ALL CAPACITORS ARE uF UNLESS NOTED OTHERWISE.
3) ALL INDUCTORS ARE uH UNLESS NOTED OTHERWISE.
4) ALL DIODES ARE 5082-2811 UNLESS NOTED OTHERWISE.
5) ALL TRANSISTORS ARE BS170 UNLESS NOTED OTHERWISE.
6) U6 IS HA50231B OR LT1229CS8.

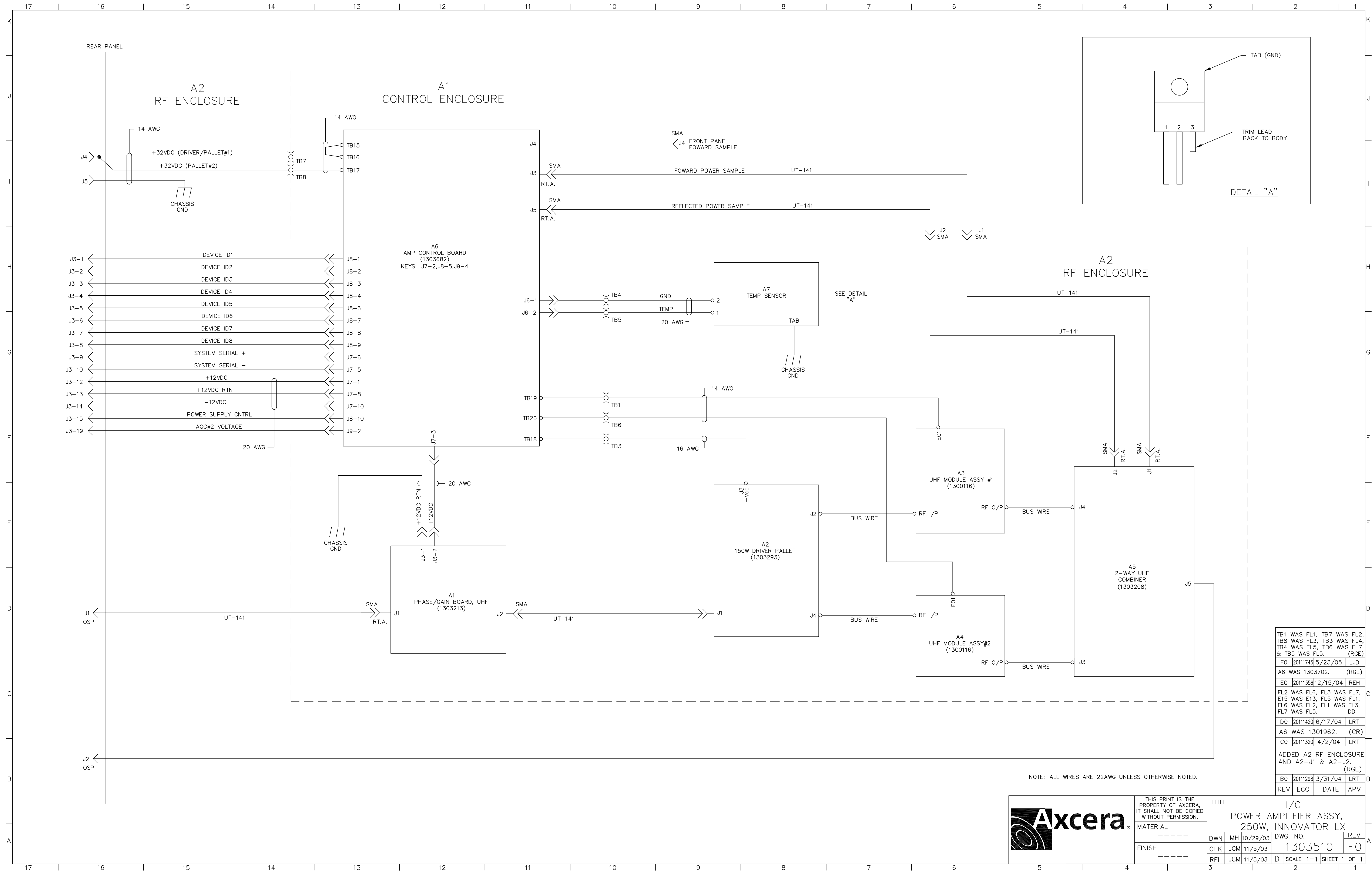
ADDED R52 AND C39. (PJK)			
A0	20092325	5/31/01	LRT
R8 WAS 4.7K. (TMY)			
5	8470	9/30/96	LRT
R7 WAS 100K. (PJK)			
4	8408	9/9/96	JAG
ADDED R41 - R51 & C38. R13 WAS 10K, R19 WAS 2.2K, R7 WAS 10K. CHGD U1A TO U6B. CHGD U1D TO U1A. ADDED CIRCUIT TO U2B & U2D. ENLARGED TO "D" SIZE DWG. (TMY)			
3	8052	7/16/96	JAG
C7 WAS 160pF. J6 WAS A 7 PIN CONNECTOR. (PJK)			
2	8026	4/2/96	LRT
ADDED U6, C36, C37. ADDED NOTE #6. U5 WAS M78L05ACN. L5 WAS CONNECTED TO J5-1. U6A WAS U1A. 1A WAS U1B. U2D WAS U2A. U2A WAS U2B. U2B WAS U3D. (PJK)			
1	7999	3/4/96	LRT

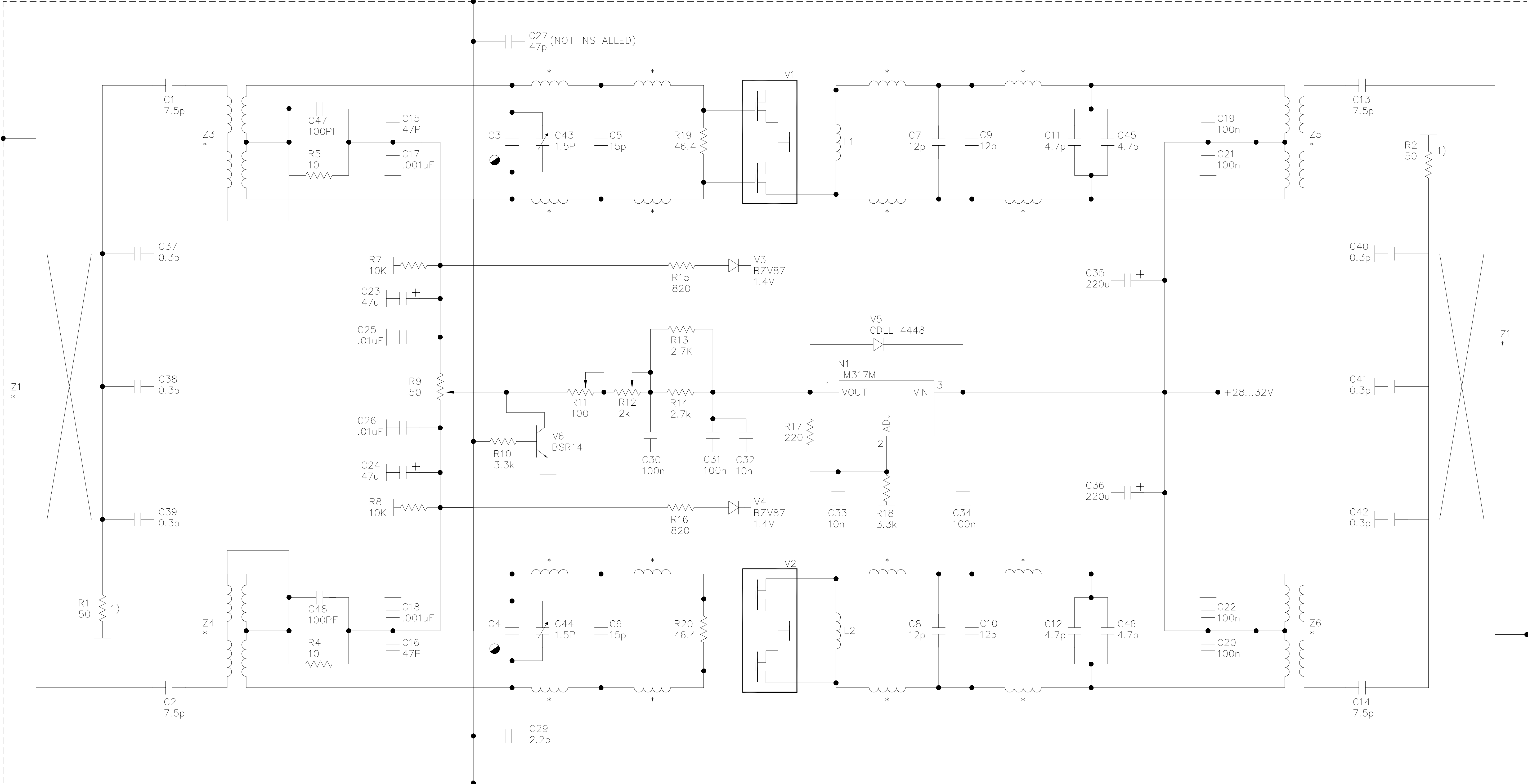
APV	ADC Telecommunications			REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF ADC, IT SHALL NOT BE COPIED WITHOUT PERMISSION			TITLE 91-00-00-50AC-61 SCH., VIS/AURAL MTRNG BD (1265-1309)			
ECO	MATERIAL			DWN	PJK	DWG. NO.	REV
FINISH	-----			CHK	DWB	1/3/96	1265-3309 A0
REV	-----			REL	DWB	1/3/96	D SCALE - - - SHEET 1 OF 1



A6 WAS 1303702.	(RGE)
CO 20111358	12/15/04 REH
A6 WAS 1301962.	(CR)
BO 20111320	4/2/04 LRT
REV ECO	DATE APV

	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.		TITLE B/D POWER AMPLIFIER ASSY, 250W, INNOVATOR LX		DWG. NO. 1303585		REV C0						
MATERIAL	-----	DWN	RGE	11/17/03	SCALE 1=1	SHEET 1 OF 1							
FINISH	-----	CHK	LRT	11/18/03									
		REL	LRT	11/18/03									



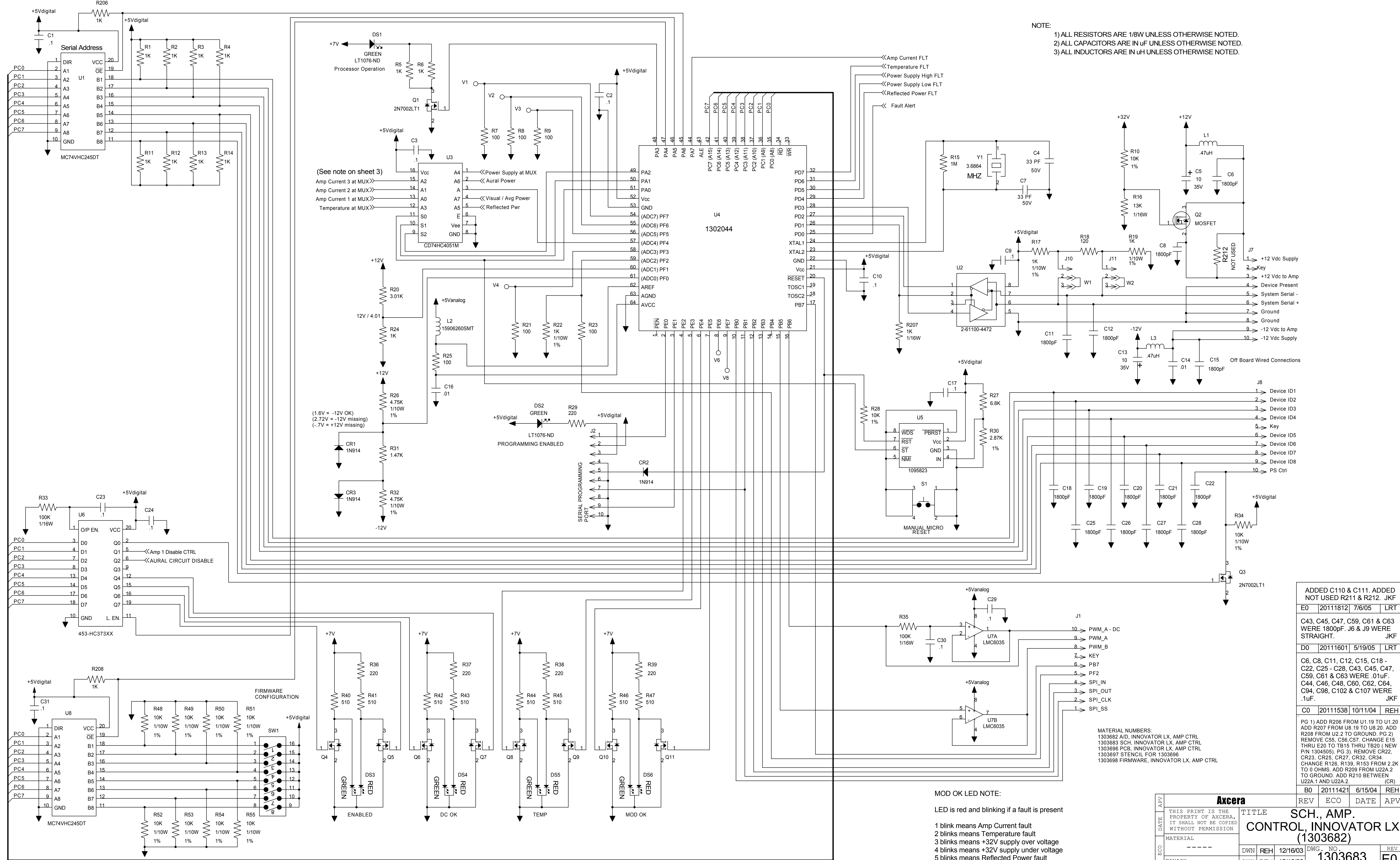


* PRINTED COMPONENT

FACTORY SET VALUE

PC BOARD LAYOUT SEE
51-5379-309-00 (2)

CHANGE R3 FROM A 22 OHM RESISTOR TO C47, SM, CAP, 100PF, 500WDC CHANGE R6 FROM A 22 OHM RESISTOR TO C48, SM, CAP, 100PF, 500WDC CHANGE R4 FROM A 22 OHM RESISTOR TO 15906000SMT SM,, RES, 10 OHM 5% 1/8W CHANGE R5 FROM A 22 OHM RESISTOR TO 15906000SMT SM,, RES, 10 OHM 5% 1/8W CHANGE C17 FROM A 47PF CAP FIXED CERAMIC, 47 PF TO 15906160SMT SM, CAP, .001 UF, 50 WVDC CHANGE C18 FROM A 47PF CAP FIXED CERAMIC, 47 PF TO 15906160SMT SM, CAP, .001 UF, 50 WVDC ADD C23 1301246 SM, CAP, 47MF, 50V, LOW ESR ADD C24 1301246 SM, CAP, 47MF, 50V, LOW ESR ADD C25 15906161SMT SM, CAP, .01 UF, 50 WVDC ADD C26 15906161SMT SM, CAP, .01 UF, 50 WVDC. PWN										DO 2010044 [09/18/02] RJ																				THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION.										MATERIAL										FINISH										TITLE AMPLIFIER MODULE										DWN PWN 04/01/02 DWG. NO. REV										CHK LRT 04/03/02 51-5379-309-00 WSP DO										REL LRT 04/03/02 D SCALE SHEET 1 OF 1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											



NOTE:
1) ALL RESISTORS ARE 1/8W UNLESS OTHERWISE NOTED.
2) ALL CAPACITORS ARE IN uF UNLESS OTHERWISE NOTED.
3) ALL INDUCTORS ARE IN uH UNLESS OTHERWISE NOTED.

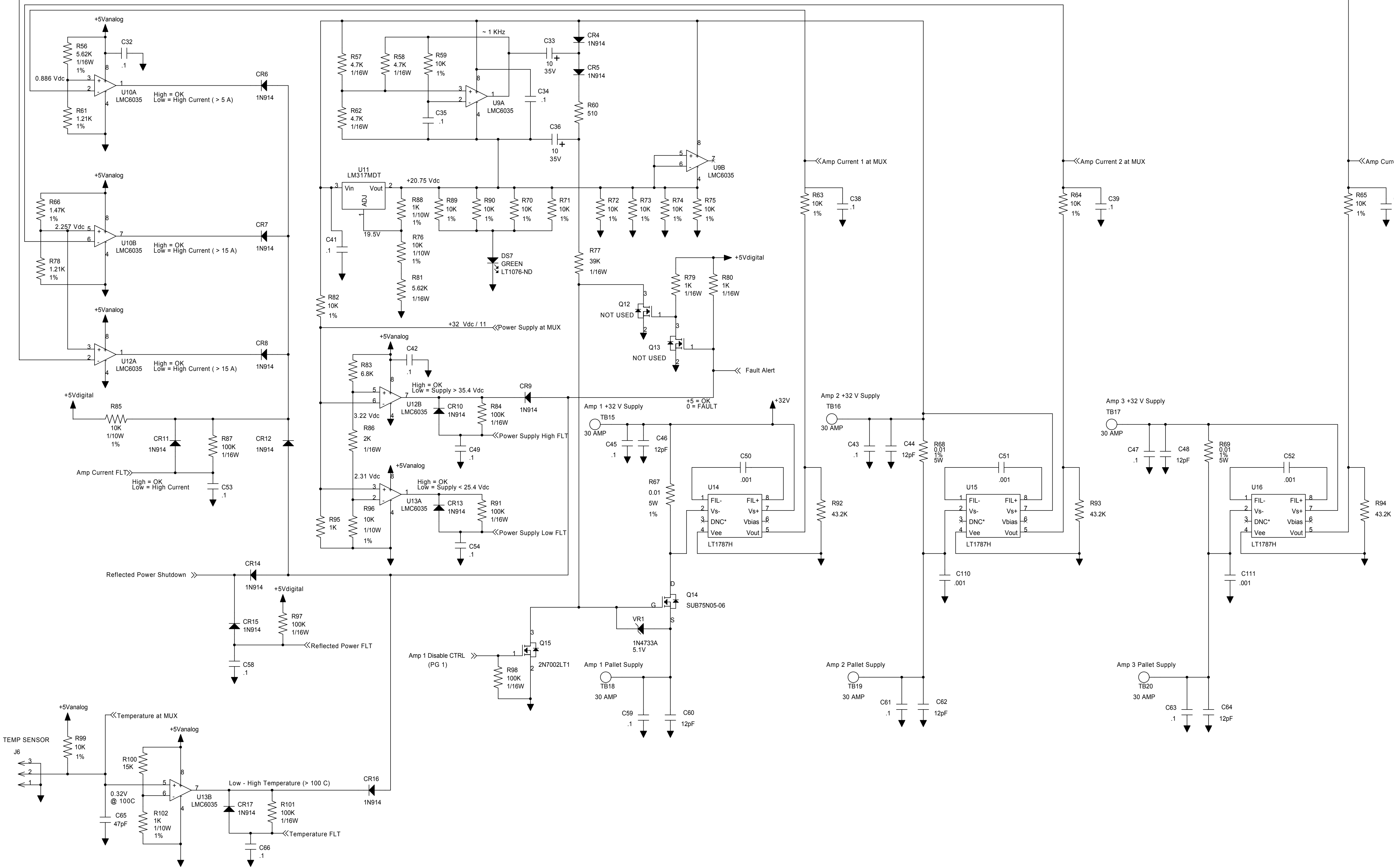
MOD OK LED NOTE:
LED is red and blinking if a fault is present
1 blink means Amp Current fault
2 blinks means Temperature fault
3 blinks means +32V supply over voltage
4 blinks means +32V supply under voltage
5 blinks means Reflected Power fault
6 blinks means +12V or -12V fault

Axcera				TITLE			
REV	DATE	APV	ECO	SCH., AMP. CONTROL, INNOVATOR LX (1303682)			
B0	20111421	6/15/04	REH	DWN	REH	12/16/03	REV
ECO	20111812	7/6/05	LRT	CHK	REH	12/16/03	E0
APV	20111601	5/19/05	LRT	REL	REH	12/16/03	SHEET 1 OF 3

ADDED C110 & C111. ADDED NOT USED R211 & R212. JKF			
E0	20111812	7/6/05	LRT
D0	20111601	5/19/05	LRT
C0	20111538	10/11/04	REH
B0	20111421	6/15/04	REH

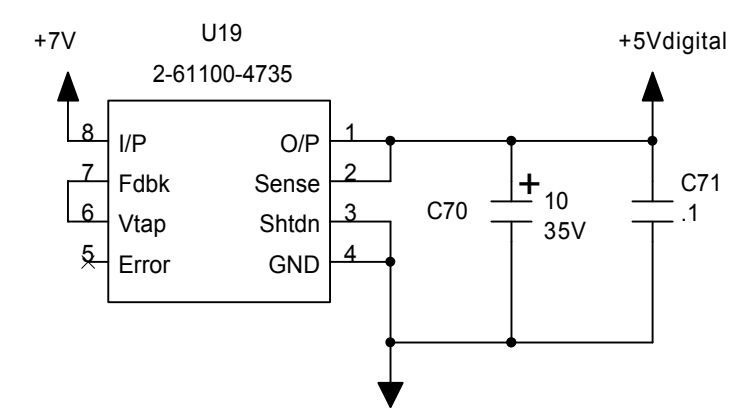
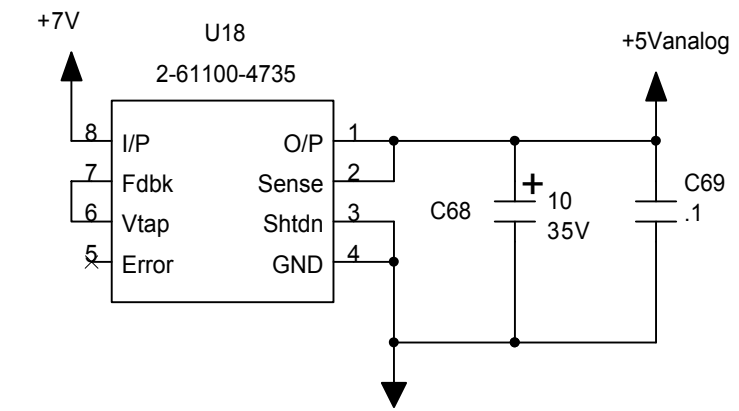
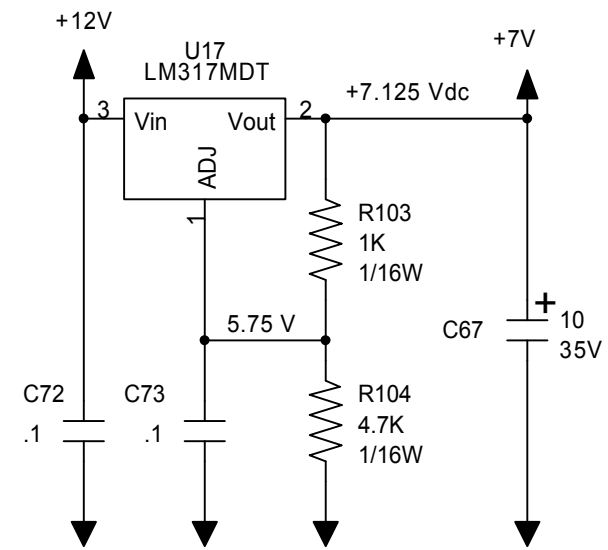
PG 1) ADD R206 FROM U1.19 TO U1.20
ADD R207 FROM U8.19 TO U8.20. ADD
R208 FROM U2.2 TO GROUND. PG 2)
REMOVE C55, C56, C57. CHANGE E15
THRU E20 TO T815 THRU T820 (NEW
P/N 1304505). PG 3). REMOVE CR22,
CR23, CR25, CR27, CR32, CR34.
CHANGE R126, R139, R153 FROM 2.2K
TO 0 OHMS. ADD R209 FROM U2A.2
TO GROUND. ADD R210 BETWEEN
U2A.1 AND U2A.2 (CR)

MATERIAL NUMBERS:
1303682 A/D, INNOVATOR LX, AMP CTRL
1303683 SCH, INNOVATOR LX, AMP CTRL
1303696 PCB, INNOVATOR LX, AMP CTRL
1303697 STENCIL FOR 1303696
1303698 FIRMWARE, INNOVATOR LX, AMP CTRL



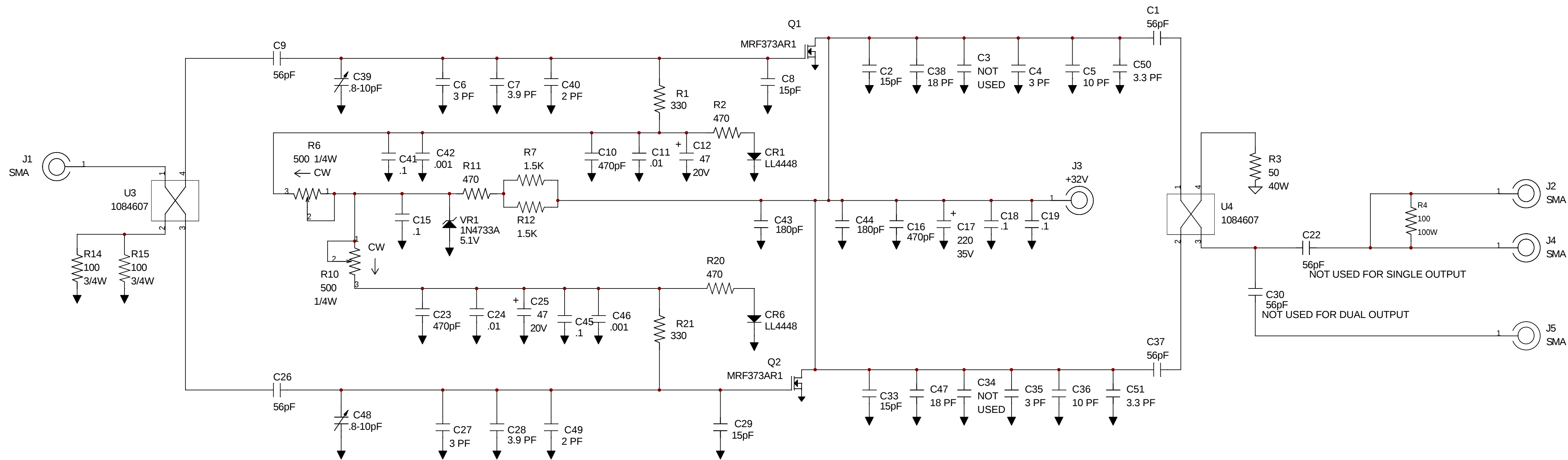
NOTE:

A track width of 0.3 inch is needed between power input vias and sense resistors R55,R56,R57. 0.3 inch track width is also needed between the output of the sense resistors and the output vias that provide power to the amplifier pallets.



APV		Xxcera		REV	ECO	DATE	APV
DATE		THIS PRINT IS THE PROPERTY OF AXCCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION		TITLE		SCH., AMP. CONTROL, INNOVATOR LX (1303682)	
ECO		MATERIAL		DWN		REV	
REV		FINISH		CHK		REV	
				REL		REV	
						1303683	
						E0	
						SCALE - - - SHEET 2 OF 3	

LAST USED REF.
C51
J5
R21
Q2
CR6
U4
VR1



R2 & R20 WERE 1K. R10 WAS 100.
JKF

D0	20111485	11/9/04	TB
----	----------	---------	----

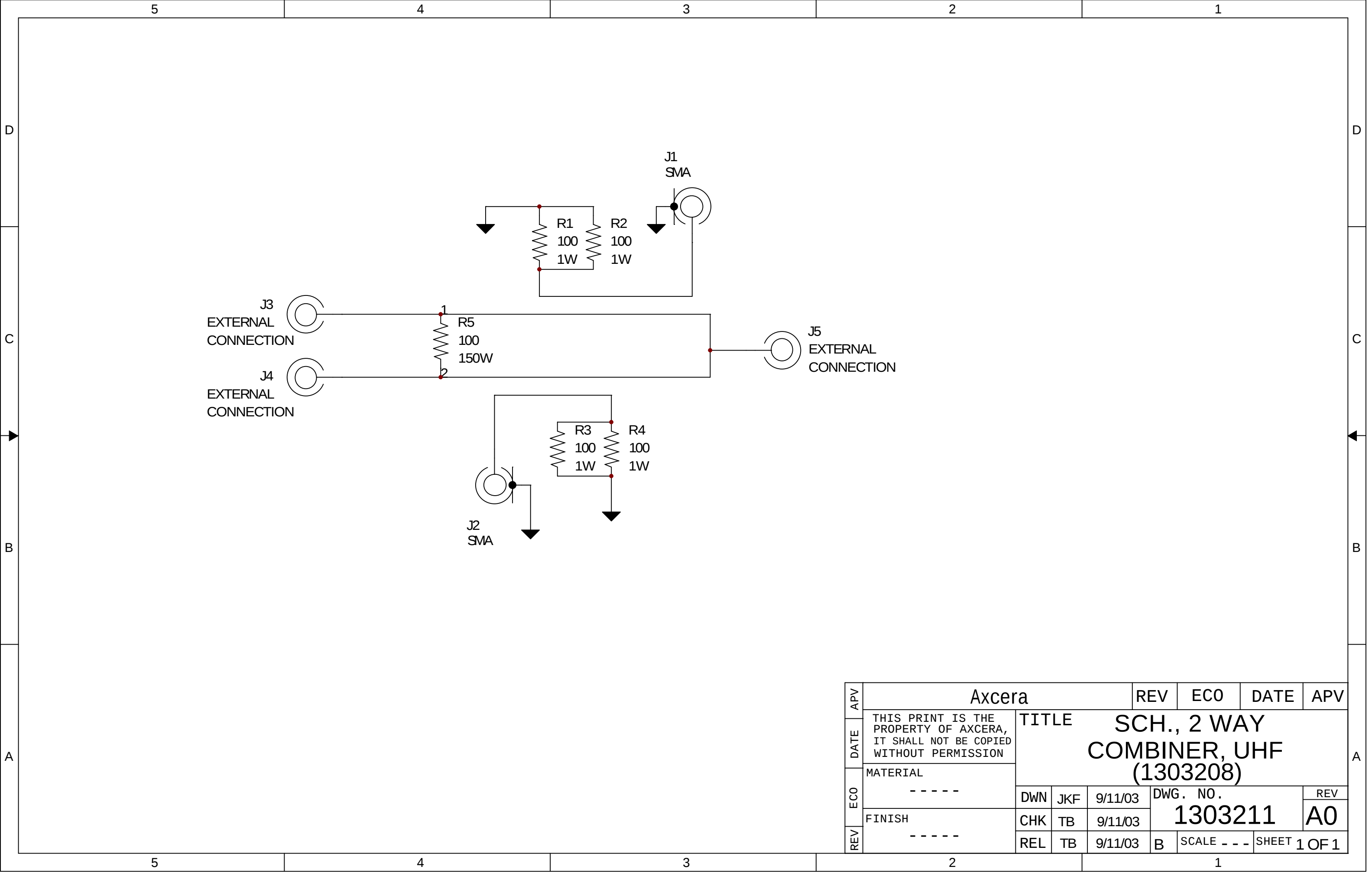
C2, C6, C27 & C33 WERE 4.7 PF. C8, C29, C38 & C47 WERE 2 PF. C7 & C28 WERE 5.1 PF. C40 & C49 WERE 12 PF. C3, C5, C34 & C36 WERE 3 PF. ADDED C50 & C51.
JKF

C0	20111142	12/4/03	TB
----	----------	---------	----

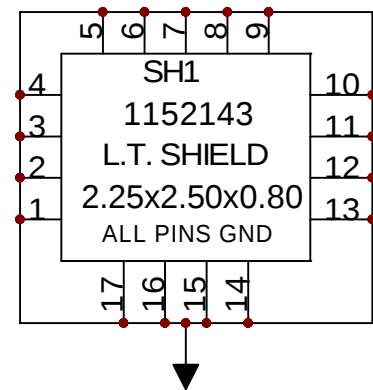
ADDED C40 - C49, C2, C3, C4, C5, C6, C7, C8, C27, C28, C29, C33, C34, C35 & C36 WERE 56pF. R1 & R21 WERE 33 Ohm. C12 & C25 WERE 10uF, 35V. SWITCHED PIN 1 & 3 CONN. ON R6. DELETED U5.
JKF

B0	20111082	10/31/03	TB
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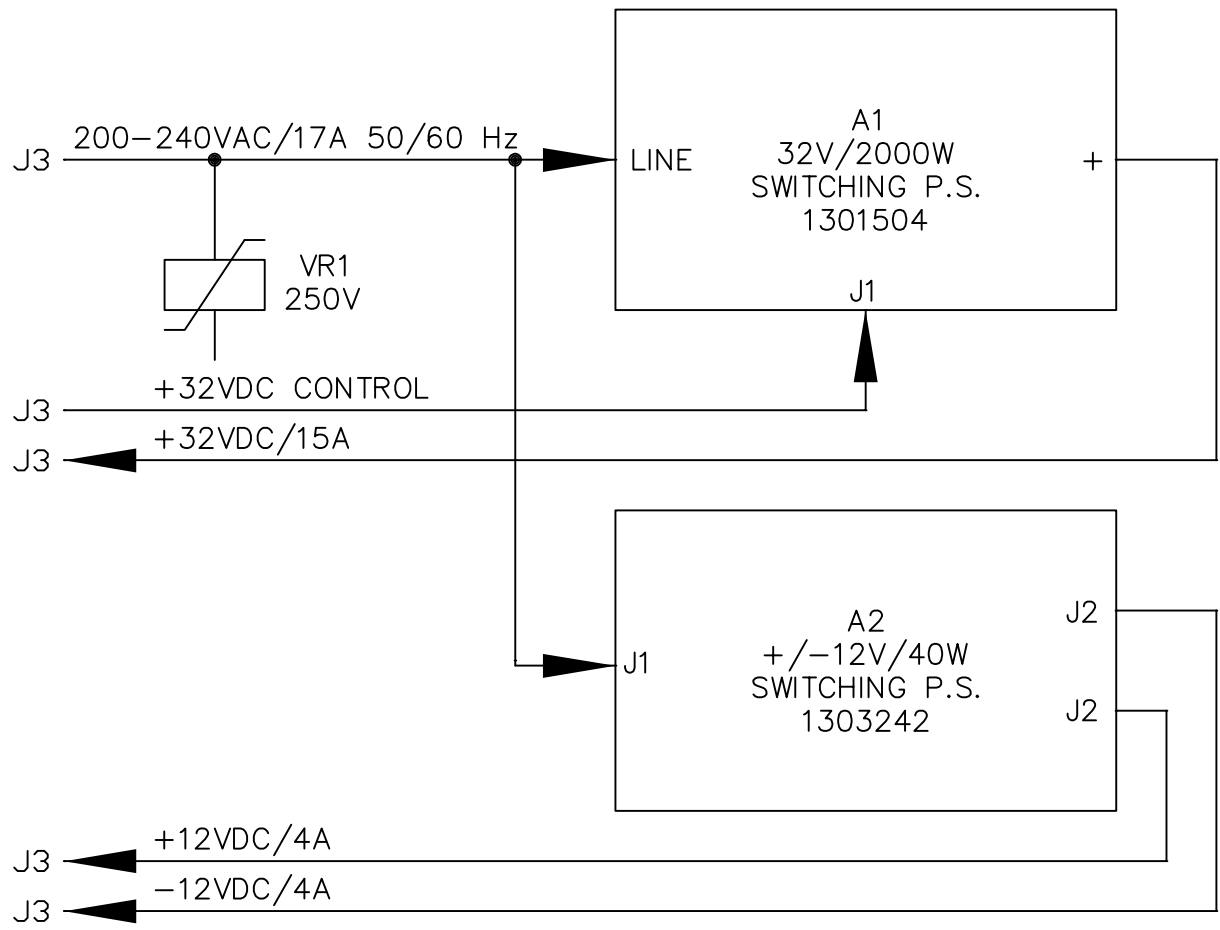
APV	Axcera				REV	ECO	DATE	APV	
DATE	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION				TITLE SCH., 150W, DRIVER, UHF. (1303293)				
MATERIAL									
ECO									-----
FINISH	-----			CHK	TB	9/12/03	1303171		D0
REV	-----			REL	TB	9/12/03	D	SCALE ---	SHEET 1 OF 1



APV	Axcera					REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION		TITLE SCH., 2 WAY COMBINER, UHF (1303208)						
ECO									
REV	FINISH - - - - -		DWN	JKF	9/11/03	DWG. NO. 1303211		REV A0	
			REL	TB	9/11/03	B	SCALE - - -	SHEET 1 OF 1	



APV	Axcera				REV	ECO	DATE	APV
DATE	THIS PRINT IS THE PROPERTY OF AXCERA, IT SHALL NOT BE COPIED WITHOUT PERMISSION		TITLE SCH., PHASE / GAIN BD., UHF (1303213)					
ECO	MATERIAL -----							
REV	FINISH -----		CHK	TB	9/11/03	1303216		A0
			REL	TB	9/11/03	B	SCALE ---	SHEET 1 OF 1



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MATERIAL

FINISH

TITLE				B/D, POWER SUPPLY ASSY, 1KW, INNOVATOR LX	
DWN	RGE	1/27/04	DWG. NO.		REV
CHK	JCM	1/27/04	1303886		A0
REL	JCM	1/27/04	A	SCALE ---	SHEET 1 OF 1

REV	ECO	DATE	APV
-----	-----	------	-----

